

# Voltage converter from 20-120V to 12V, 25A, 300W, IP68

## Product codes:

Reference: AM0712

EAN13: -

UPC: 85044090



## Product features:

Input voltage: 20-120 V DC

Output voltage: 12 V DC

Output current: 25 A

Output power: 300 W

Waterproof grade: IP68

Lifetime: 100,000 hours

## Product attributes:

## Product description:

The DC/DC voltage converter is designed for stable conversion of input DC voltage in the range of 20 to 120 V DC to output 12 V DC. The device is suitable for powering 12V electronics, automotive, industrial and mobile applications where higher resistance to external influences, stable output voltage and high current carrying capacity are required. The aluminum design with fins supports effective heat dissipation and IP68 protection allows use even in more demanding operating conditions.

## Technical specifications

- Device type: DC/DC voltage converter
  - Input voltage: 20-120V DC
  - Output voltage: 12V DC
  - Maximum output current: 25 A
  - Maximum output power: 300 W
  - Efficiency: 95.3%
  - No-load current consumption: max. 100 mA
  - Protection: IP68
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- Working temperature: -40 to +80 °C
- Ambient humidity: 0-95%
- Dimensions: 100 × 80 × 39 mm
- Weight: 500g
- Construction: aluminum housing with fins for heat dissipation
- Certification: CE, RoHS

### **Functions and features**

- Stable conversion of a wide range of input DC voltage to 12 V DC
- Suitable for powering devices with higher current consumption up to 25 A
- Durable design with IP68 protection for use in environments with increased humidity and dust
- Aluminum body ensures mechanical durability and effective cooling
- Integrated overload protection
- Integrated surge protection
- Integrated overheating protection
- Integrated short circuit protection

### **Ideal for**

- Powering 12V devices from high-voltage DC sources
- Industrial and technological applications
- Mobile and transportation systems
- Power supply for LED lighting, control units and other 12V electronics
- For use outdoors and in more demanding operating conditions

### **Package contents**

- 1× DC 20–120 V to 12 V voltage converter, 25 A, 300 W, IP68

### **Why choose this product?**

- Wide input range allows use in various DC systems
- 12 V DC output is suitable for common industrial and mobile applications
- High output current of 25 A allows powering more power-intensive devices
- Rugged IP68 design supports reliable operation even in harsh environments
- Compact dimensions make it easy to integrate into existing systems
- Protective functions increase the operational safety of the connected device

### **Installation and operating instructions**

- Before connecting, verify the correct polarity of the input and output
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